

## CLAIMS

What is claimed is:

1        1. A method for immediately issuing a production plan, for use with a  
2        system for immediately issuing a production plan, wherein a production plan is  
3        transmitted to the system by a network for allowing a production-line host to access the  
4        production plan and allowing a production-associated department to monitor an  
5        operational status in production in real time; the method comprising the steps of:

6                a. transmitting the production plan through the network to the system;  
7                b. storing the production plan received by the system in a first database;  
8                c. reading the production plan stored in the first database via the  
9        production-line host through a network connection to the system, so as to perform the  
10      production according to the production plan;  
11                d. transmitting the operational status in the production via the  
12      production-line host through the network to a second database for storage;  
13                e. reading the operational status in the production stored in the second  
14      database via the production-associated department through the network connection to the  
15      system, so as to monitor the production in real time; and  
16                f. integrating via the system material data stored in the first database  
17      prior to performing the production with those stored in the second database after  
18      performing the production, and storing the integrated data in the first database to be used  
19      as a material stock reference for next production.

20                :

1        2. The method of claim 1, wherein after performing the step (6), the  
2        integrated data stored in the first database include data relating to well-manufactured

3 products and inferior products in stock.

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2 3. The method of claim 1, after performing the step (c), further comprising  
3 the steps of:

4 (c-1) determining via the system if a message is generated for an abnormal  
5 condition occurring in the production, wherein if the message is generated, step (3-2) is  
6 followed, or else, the step (3-1) is repeated; and

7 (c-2) transmitting automatically the message via the system to the production-  
8 associated department.

9 :

1 4. A method for immediately issuing a production plan, for use with a  
2 system for immediately issuing a production plan, wherein a production plan is  
3 transmitted to the system by a network for allowing a production-line host to access the  
4 production plan; the method comprising the steps of:

5 (a) transmitting the production plan through the network to the system;  
6 (b) storing the production plan received by the system in a first database; and  
7 (c) reading the production plan stored in the first database via the production-line  
8 host through a network connection to the system, so as to perform production  
9 according to the production plan.

10 :

1 5. The method of claim 4, after performing the step (c), further comprising  
2 the steps of:

3 (c-1) determining via the system if a message is generated for an abnormal condition  
4 occurring in the production, wherein if the message is generated, step (c-2) is  
5 followed, or else, the step (c-1) is repeated; and  
6 transmitting automatically the message via the system to a production-associated  
7 department.

8 :

1 6. The method of claim 4, wherein the production-associated department is  
2 allowed to monitor an operational status in production in real time, and after performing  
3 the step (c), the method further comprises the steps of:

4 (c-1) transmitting the operational status in the production via the production-  
5 line host through the network to a second database for storage;

6 (c-2) reading the operational status in the production stored in the second  
7 database via the production-associated department through the network connection to  
8 the system, so as to monitor the production in real time; and

9 (c-3) integrating via the system material data stored in the first database prior to  
10 performing the production with those stored in the second database after performing  
11 the production, and storing the integrated data in the first database to be used as a  
12 material stock reference for next production.

13 :

1 7. The method of claim 6, wherein after performing the step (c-3), the  
2 integrated data stored in the first database include data relating to well-manufactured  
3 products and inferior products in stock.

4 :

1           8.     The method of claim 3, wherein the system for immediately issuing a  
2     production plan comprises:

3                 the first database;  
4                 a first receiving module for receiving and storing the production plan in the first  
5     database as set forth in the step (a);  
6                 the second database;  
7                 a second receiving module for receiving and storing the operational status in the  
8     production in the second database as set forth in the step (d);  
9                 a retrieving/informing module for reading the operational status in the production  
10    stored in the second database as set forth in the step (c); and  
11                 a processing module for integrating the material data as set forth in the step (f).

12           :

13           9.     The method of claim 8, wherein the retrieving/informing module  
14    performs the step (c-2) for automatically transmitting the message to the production-  
15    associated department according to a determined result from the step (c-1).

16           :

17           10.    The method of claim 4, wherein the system for immediately issuing a  
18    production plan comprises:

19                 the first database; and  
20                 a receiving module for receiving and storing the production plan in the first  
21     database as set forth in the step (a).

22           :

23           11.    The method of claim 6, wherein the system for immediately issuing a

2 production plan comprises:

3 the first database;

4 a first receiving module for receiving and storing the production plan in the first  
5 database as set forth in the step (a);

6 the second database;

7 a second receiving module for receiving and storing the operational status in the  
8 production in the second database as set forth in the step (c-1);

9 a retrieving/informing module for reading the operational status in the production  
10 stored in the second database as set forth in the step (c-2); and

11 a processing module for integrating the material data as set forth in the step (c-3).

12 :

12. A system for immediately issuing a production plan, used for transmitting  
1 a production plan through a network to a production-line host, so as to allow the  
2 production-line host to access the production plan and allow a production-associated  
3 department to monitor an operational status in production in real time; the system  
4 comprising:

5 a first receiving module for receiving and transmitting the production plan to the  
6 production-line host;

7 a first database for storing the production plan received by the first receiving  
8 module therein, so as to allow the production-line host to read the production plan and  
9 perform the production according to the production plan;

10 a second receiving module for receiving the operational status in the production  
11 transmitted from the production-line host; and

12 a second database for storing the operational status in the production received by  
13 the second receiving module therein, so as to allow the production-associated

15                   department to read and monitor the operational status in the production.

16                   :

1                   13.    The system of claim 12, further comprising a retrieving module for  
2                   reading the operational status in the production stored in the second database and  
3                   transmitting the operational status to the production-associated department, which  
4                   submits a request for inquiring the operational status.

5                   :

1                   14.    The system of claim 12, further comprising a informing module for  
2                   automatically informing the production-associated department of a message generated by  
3                   the production-line host for showing an abnormal condition occurring in the production.

4                   :

1                   15.    The system of claim 12, further comprising a processing module for  
2                   integrating material data stored in the first database prior to performing the production  
3                   with those stored in the second database after performing the production, and storing the  
4                   integrated data in the first database to be used as a material stock reference for next  
5                   production.

6                   :

1                   16.    The system of claim 15, wherein the integrated data stored in the first  
2                   database include data relating to well-manufactured products and inferior products in  
3                   stock